

# PURE TECHNOLOGY.



## COMPACT FILTRATION SYSTEM

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## COOLANT MIST

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## AC 3000

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- Can be mounted directly on the machine
  - Continuously variable fan (0-10 V at 230 V version)
  - Modular expansion up to 7,200 m<sup>3</sup>/h (4,238 cfm) (AC 3061/3062) is possible
  - Low energy consumption through use of filter elements with no pressure loss and energy-efficient fans
  - Single-stage or multiple-stage version for the separation of coolant mist
  - Filter elements in the AC 3000 series are compatible with our AC 1000 & AC 8000 – AC 24000 filter series, which means low maintenance costs
  - Electrostatic or mechanical
  - Further versions: for the suction Medium: Magnesium & for transportable systems
  - Universal use for oil & emulsion mist
  - High-voltage generator pre-programmed with two voltage levels  
-> oil, emulsion, and service door can be optionally opened toward the left or right
  - Versatile options available
  - Diverse range of accessories available
  - CIP (Cleaning in Place) function optionally available
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- Filtration efficiency > 99%
  - Single-stage filtration system: cooling lubricant pressure up to 40 bar internal cooling and machining space up to 6 m<sup>3</sup>
  - Double-stage filtration system: cooling lubricant pressure up to 80 bar internal cooling and machining space up to 6 m<sup>3</sup>

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## COMPACT FILTRATION SYSTEM

## COOLANT MIST

## AC 3000

	AC 3001			AC 3001 SOLID			AC 3002 CIP		AC 3002			AC 3002 COMPAKT	
	230 V	400 V	480 V*	230 V	400 V	480 V*	400 V	480 V*	230 V	400 V	480 V*	230 V	400 V
OIL MIST	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓
EMULSION MIST	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CIP							✓	✓					
ELECTROSTATIC	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓
MECHANICAL				✓	✓	✓							
SUCTION CAPACITY	1,200 m <sup>3</sup> /h 706 cfm	1,200 m <sup>3</sup> /h 706 cfm	706 cfm	1,000 m <sup>3</sup> /h 589 cfm	1,000 m <sup>3</sup> /h 589 cfm	589 cfm	1,200 m <sup>3</sup> /h 706 cfm	706 cfm	1,200 m <sup>3</sup> /h 706 cfm	1,200 m <sup>3</sup> /h 706 cfm	706 cfm	1,200 m <sup>3</sup> /h 706 cfm	1,200 m <sup>3</sup> /h 706 cfm
FAN OUTPUT (FREE BLOWING)	2,400 m <sup>3</sup> /h 1,413 cfm	3,200 m <sup>3</sup> /h 1,883 cfm	1,883 cfm	2,400 m <sup>3</sup> /h 1,413 cfm	3,200 m <sup>3</sup> /h 1,883 cfm	1,883 cfm	2,400 m <sup>3</sup> /h 1,413 cfm	1,413 cfm	2,400 m <sup>3</sup> /h 1,413 cfm	3,200 m <sup>3</sup> /h 1,883 cfm	1,883 cfm	2,400 m <sup>3</sup> /h 1,413 cfm	4,400 m <sup>3</sup> /h 2,590 cfm
ELECTRICAL CONNECTION IN V, HZ, KVA	230, 50- 60, 0.78	400, 50, 1.23	480, 50, 1.23	230, 50- 60, 0.63	400, 50, 1.38	480, 50, 1.38	400, 50-60, 0.93	480, 50-60, 0.93	230, 50- 60, 0.93	400, 50, 1.38	480, 50, 1.38	230, 50-60, 0.93	400, 50-60, 1.8
DIFFERENTIAL PRESSURE IN PA	840	980	980	840	980	980	840	840	840	980	980	840	1,450
SOUND PRESSURE LEVEL IN dB(A) (APPROX.)	70	< 75	< 75	70	< 75	< 75	< 75	< 75	70	< 75	< 75	70	< 75
DIMENSIONS (LxWxH) MM	800 x 625 x 610	800 x 625 x 610		800 x 625 x 610	800 x 625 x 610		1,130 x 690 x 880		1,130 x 625 x 610	1,130 x 625 x 610		950 x 625 x 1,000	950 x 625 x 1,000
DIMENSIONS (LxWxH) INCH	31 x 25 x 24	31 x 25 x 24	31 x 25 x 24	31 x 25 x 24	31 x 25 x 24	31 x 25 x 24	44 x 27 x 35	44 x 27 x 35	44 x 25 x 24	44 x 25 x 24	44 x 25 x 24	37 x 25 x 39	37 x 25 x 39
WEIGHT IN KG (APPROX.)	100	110		80	85		180		135	140		135	135
WEIGHT IN INCH (APPROX.)	220	243	243	176	187	187	396	396	298	309	309	298	298

\* Switch cabinet according to UL 508 A